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Docket No.: 57764(71994)

(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of: Sakari Kauppinen et al.

Application No.: 10/601,140

Application No. 10/001,140

Filed: June 20, 2003

For: METHODS AND SYSTEMS FOR DETECTION AND ISOLATION OF A

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NUCLEOTIDE SEQUENCE

Confirmation No.: 6647

Art Unit: 1634

Examiner: R. T. Crow

AMENDMENT IN RESPONSE TO NON-FINAL OFFICE ACTION

MS Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

INTRODUCTORY COMMENTS

In response to the Office Action dated June 30, 2006, please amend the above-identified U.S. patent application as follows:

Amendments to the Claims are reflected in the listing of claims which begins on page 2 of this paper.

Remarks/Arguments begin on page 23 of this paper.